

Energy Transformation & Conservation Review

Name: _____ Date: _____

Part 1: Analyze the Diagram

Study the illustration above and then read the following statements. If the statement is true, write true. If it is **false**, change the underlined word or words to make the statement true.

_____ 1) An energy transformation is occurring only at point 3.

_____ 2) In this example, the law of conservation of energy says that the ball never loses kinetic energy.

_____ 3) As the ball rises from point 1 to point 3, it slows down.

_____ 4) The ball has the most potential energy at point 3.

_____ 5) The ball has the most kinetic energy at point 2.



Part 2: Defining Keywords

Write a definition for each of the following terms on the lines below.

6) energy transformation

7) law of conservation of energy

8) matter

9) theory of relativity
